

## **1.0 TITLE OF EFFORT:** Engineering and Technical Services Support

## **2.0 TASK DESCRIPTION:**

The contractor shall provide engineering and technical services including technical integration support, meeting support, engineering services support, integrated test and verification support, cable and fluid assessment support, project management support, hardware delivery support, book coordination support and special study support.

## **2.1 STATEMENT OF WORK REFERENCE:** SOW 3.1.1.1 Engineering and Technical Services

| <b>WBS</b> | <b>Title</b>                          | <b>Sub Title</b>   | <b>Functional Description</b>  |
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|            | Vehicle Management and Administration | Progress Reporting                                       | Prepare monthly presentation of accomplishment, risks, and financial status. Provide monthly budget variance assessment and revise Estimate to Completion (ETC). Prepare award fee self assessments.   |
|            | Vehicle Management and Administration | Task Order management                                    | Prepare and maintain task order statement of work and basis of estimate. Coordinate with employees and customers.  |
|            | Vehicle Management and Administration | Employee performance assessment, coaching, and mentoring | Conduct formal performance assessment of each employee annually and informal assessments as needed (due to job function changes or performance feedback).  |
|            | Vehicle Management and Administration | Travel coordination                                      | Prepare travel estimates; obtain required coordination for trips; review/approve travel authorizations and expense reports   |
|            | Vehicle Management and Administration | Task coordination  | Monitor customer needs and employee performance to ensure required work is performed in accordance with the statement of work and to the customer's satisfaction. Monitor employee work load and skill mix. Take corrective action as needed.                            |
| .1.1.1     | Meeting Support                       | Meeting Coordination                                     | Schedule meeting conference rooms and reserve equipment.<br>Schedule and set up meeting telecoms.<br>Create and distribute weekly meeting agendas using Agenda Calendar Tool (ACT).<br>Prepare meeting presentation packages.<br>Develop meeting minutes & protocols.    |
| .1.1.1     | Meeting Support                       | Action Tracking  | Capture and distribute notices requesting action closure before due dates.<br>Track L&M team actions through closure.<br>Track action status through closure for all International Partner L&M Technical Interchange Meetings (TIMs), Bilateral & Multilateral meetings. |
| .1.1.1     | Meeting Support                       | Communication Coordination                               | Create and maintain meeting calendars.<br>Maintain meeting distribution lists.<br>Maintain rosters and phone list.   |

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| .1.1.1 | Meeting Support        | MER technical services                                    | To provide technical support (minutes) to the ISS MER Mgrs when anomalies arise on ISS that require resolution.  |
| .1.1.1 | Meeting Support        | MER technical services                                    | Upload MER ART/FIT/coordination meeting notifications  |
| .1.1.1 | Meeting Support        | MER technical services                                    | Provide technical support (minutes) daily at the MER Tagups  |
| .1.1.1 | Meeting Support        | MER technical services                                    | Provide technical support for the MER Mgrs tagups during US flights (other 2 shifts)   |
| .1.1.1 | Meeting Support        | Node 2/3 Status and Issues<br>Teleconference Coordination | Prepare and distribute agenda for Node 2/3 Teleconference. Write minutes, coordinate and respond to input. Make sure minutes are posted to Nodes website. This activity also takes place for other Nodes meetings.   |
| .1.1.1 | Meeting Support        | Test & Verification                                       | Pre-Board Prep, e-mail notifications, posting documents, preparing agenda, Pre-board meeting, Board meeting notification Update Agenda for Board, load updated documents on the web, make copies for the board, prepare minutes  |
| .1.1.2 | CoFR Process Support   | CoFR  | Produce flight specific production plan, Organize several meetings w/OB, EA, Boeing and CMC. Distribute Meeting notice update agendas, compile data from system/teams format data in to presentations. repro copies to support LPA/kickoffs. track and status open paper including CRs, waiver/Deviations and Exception/CoFR Exceptions and open actions. Generate flt specific Boeing/CMC H/W matrix that's included in OB CoFR Plan/letter. Assist CoFR Lead update CoFR Plan and ditribute to ISS |
| .1.1.2 | CoFR Process Support   | CoFR  | Review manifest to build and populate the GFE hardware matrix and down manifest charts for each SORR and COFR. Coordinate schedule meeting with GFE hardware providers for status on GFE hardware. Utilize and track open paper via the OPMT. Track open paper and provide status to the EMCR. Coordinate the status of hardware issues with the subsystem teams. Support CoFR Meetings and SORRs as required.   |
| .1.1.2 | CoFR Process Support   | CoFR and Open Paper Process Improvement                   | Coordinate with different NASA organizations to identify, capture, incorporate all of the open paper for flights and coordinate tools/build tools for incorporating all of the open paper for the IP Element Flights in preparation for CoFR.  |
| .1.1.3 | Program Review Support | Element Integration for ATV                               | Maintain matrix showing requirements ownership. Develop and maintain VCM. Distribute closure documents and track comments. Organize issue resolution meeting, prepare agendas, document minutes, and track actions.  |
| .1.1.3 | Program Review Support | Element Integration for ATV                               | Coordinate and Lead ESA-NASA Trilateral and Bilateral VCB  |
| .1.1.3 | Program Review Support | Element Integration for ATV                               | Prepare and lead monthly meeting/tag-up with system engineers to review requirement status: open, missing docs, stage testing, RIDs, etc   |

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| .1.1.3 | Program Review Support           | Element Integration for ATV           | Coordinate tag-ups with local ESA liaison to synchronize bilateral matrix. Tag-up with ESA counterpart in Europe to sync up trilateral matrix  |
| .1.1.3 | Program Review Support           | Element Integration for ATV           | Prepare statistics and charts for monthly OB tag-up, monthly LPMT and monthly/quarterly PMR  |
| .1.1.3 | Program Review Support           | Element Integration for OGS, WRS, UPA | Maintain matrix showing requirements ownership for OGS, WRS, UPA. maintain VCNs. Distribute documents for review and track comments. Organize issue resolution meeting, document Closure, and track actions. load VCNs to JSC server   |
| .1.1.3 | Program Review Support           | Element Integration for Columbus      | Track open work for the Columbus Element. Coordinate requirements closures, dependencies, RID closures, action item, and data distribution with ESA and NASA. Develop the Columbus ESA/NASA VCB and team meeting agendas and coordinate them with NASA and ESA. Upload documents into EDMS. Status open items at the EMCR. Maintain the Columbus Burn Down List, VCM, and Minutes, Team list, Distribution lists and other integration support products. |
| .1.1.4 | Coordinate Office CR Evaluations | Review new OB CR's                    | check for proper format, grammar, spelling, complete information, acronyms not spelled out, make corrections and if necessary, transfer information to current forms.  |
| .1.1.5 | Coordinate Office CR Evaluations | CR Distribution                       | Prepare e-mails for CR evaluation - determine those needing to review the documents, pull CR and all support documents from EMDS to include in the e-mail, prepare folders in outlook to maintain control of files, submitting 2nd & 3rd requests for eval.  |
| .1.1.6 | Coordinate Office CR Evaluations | CR closure                            | Prepare consolidated evaluation forms for signature. Once signed submit e-mail notification of closure w/evaluation to appropriate CM receipt desk and the CI  |
| .1.1.6 | Office Web Content               | Web Development & Maintenance         | Create and maintain web pages for OB, OB2, OB3, and OB5.<br>Create and maintain MER web pages and maintain files on the MER server.  |
| .1.1.6 | Office Web Content               | Webpages                              | T&V webpage with weekly updates to KSC<br>Upcoming mtg and pic-of-the-week, ATV RID updates, OB3 webpage, import/export log webpage, back-up to OB curator.  |
| .1.1.6 | Office Web Content               | Import/Export Webpage                 | Update OB export log with inputs from engineers when they export<br>Ensure up-to-date log is available on OB export website<br>Link EST# in the log to the JSC EST database  |
| .1.1.6 | Office Web Content               | OB6 Web curator                       | Upload CoFR Data, LPA-SORR, FRR, production plans, CoFR plans, action tracing, individual assigned tasks. JCCT data, Common Spec, Export data, open risk   |
| .1.1.7 | Coordinate Office CR Evaluations | Matrix - CR evaluations               | Maintain CR evaluation matrix with CR, Deviations, Waivers, and Shuttle CR's - listing all evaluators for each request and maintain response status, noting Late responders, complete an end of month status for evaluation process  |

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| 1.1.8 | Coordinate Office CR Evaluations       | Miscellaneous Tasks for CRs                                     | These include assisting with pulling documents from EDMS as requested, checking status on CR's for Action items or closure path, assist w/working through questions which arise from evaluations  |
| 1.2.1 | Issue Resolution                       | PRACA and NCR resolution  | Provide Problem Reporting and Corrective Action (PRACA) closure, Problem Report (PR) closure, and NCR closure rational for Node 2 and 3.  |
| 1.2.1 | Issue Resolution                       | Test and Verification Engineer                                  | Supported MCVB meetings as T&V representative.  |
| 1.2.1 | Issue Resolution                       | PIRNs for Node 2/3  | Receive PIRNs from Node 2/3 book managers to acquire Rafael Garcia's signature after first confirming that the ESA Engineering Board (EB) and the Change Control Board (CCB) at MSFC have concurred. Fax to book managers under Chau Hong (OM).<br>Support the CCB meeting for realtime updates, location of presenters and signature needs.  |
| 1.2.1 | Issue Resolution                       | Systems Integration for CHeCS CMS                               | Help coordinate system/project issues going to Program boards/panels (eg, VCB, T&VCP, SWG, ASCB) to ensure products coming forward meet Program's expectation, dissenting/supporting positions have been coordinated and supporting/affected organizational impacts have been coordinated.  |
| 1.2.1 | Issue Resolution                       | OB Representation at Program-level Reviews, Boards and Meetings | OB Board Member for CHeCS CMS Project Milestone Reviews (eg, SRR, SDR, SAR).<br>OB representative to CHeCS CMS Technical Interchange Meetings (TIMs) with International Partners.<br>OB representative for Increment 16 IMT & JOP (Primary), Flight 17A IMT & JOP (Primary), ASCB (Backup), R&M Panel (Backup)  |
| 1.2.2 | Engineering Evaluation and Integration | Engineering evaluation  | Provide ISS engineering support with concentration on the Internal Active Thermal Control System (IATCS). Work involves all program disciplines such as systems engineering, requirements development, design, hardware integration, testing and verification. Activities include direct involvement and coordination with NASA design boards, ISS International Partners and various commercial vendors to ensure design specifications and scheduled milestones are met and are within budgetary constraints as required. Currently providing support for three ISS projects: Node 2, Node 3 and the IATCS Special Problem and Resolution Team (SPRT). Node 2 duties include Problem Reporting and Corrective Action (PRACA) closure, Problem Report (PR) closure, design changes, close-out activities and Flight 10A mission support. Node 3 duties involve test and verification, Non-Conformance Reporting (NCR) and design review/change support. IATCS SPRT involvement includes engineering support for both ISS on-orbit operation and future inc |

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| 1.2.2 | Engineering Evaluation and Integration | Test and Verification Engineer | Review proposed testing for all ISS hardware as it pertains to SSP 41172 Qualification and Acceptance Environmental Test Requirements.  |
| 1.2.2 | Engineering Evaluation and Integration | Test and Verification Engineer | Review test anomalies of hardware and recommend necessary workmanship retest via and RVA "Reverification Assessment" and/or RIA "Requirement Interpretation Agreement".   |
| 1.2.2 | Engineering Evaluation and Integration | Test and Verification Engineer | Provide integration and engineering support to the CMC FSE effort by reviewing FSE T&V requirements and communicating with S&M to insure that proposed testing is adequate for reference hardware.  |
| 1.2.2 | Engineering Evaluation and Integration | T&V Process                    | T&V database administrator to track RIAs, RVAs, TIAs, TCVs, and Export report to Boeing for OPMT.   |
| 1.2.2 | Engineering Evaluation and Integration | ATV verification management    | Provide technical assistance and coordination for anomaly resolution with NASA engineers and ESA representatives. Perform technical assessments and reviews of Document Change Notice (DCNs), Request for Waiver (RFWs) and Proposed Interface Revision Notice (PIRNs) for potential impacts to NASA requirements as well as system safety, and provide appropriate input to applicable authors and engineers. Trace requirements between multiple sources ensuring proper closure. Maintain RID matrix for NASA Management. Prepare technical briefings. |
| 1.2.2 | Engineering Evaluation and Integration | HTV verification management    | Provide technical assistance and coordination with NASA engineering for requirement verification. Perform technical assessments and reviews of technical documentation (e.g., Interface Control Document) particularly in relationship to the System Specifications of the International Space Station. Update documentation to ensure accuracy and compliance with ISS requirements. Maintain requirements matrix for NASA management  |
| 1.2.2 | Engineering Evaluation and Integration | CEV verification management    | Perform technical review of proposed Interface control documentation between the ISS and CEV. Verify requirements of the ISS have been adequately addressed in the new documentation. Represent OB3 at technical reviews and NASA management reviews for the CEV program  |
| 1.2.2 | Engineering Evaluation and Integration | COTS Verification Management   | Provide technical review, corrections and inputs to the Interface Control Documentation for both COTS vehicles. Rewrite technical documents ensuring accuracy and completeness. Provide an independent review of documentation prior to release.  |
| 1.2.2 | Engineering Evaluation and Integration | Pressure & Leak Testing        | Develop reliable leak test methods to be placed into SSP 41172, Qualification and Acceptance Environmental Test Requirements. Review every document that the ISSP has a word "leak" in it, i.e., drawing & specifications requirements, test procedures & reports, OMRSD, CRs, etc., to make sure they are compliant with SSP 41172. Participate  |

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|        |   |  | in the hardware and Element leak testing.  |
| .1.2.2 | Engineering Evaluation and Integration          | Cupola Element management  | Manage remaining development of the Cupola Element (for integration with Node 3) and associated remaining open paper closure   |
| .1.2.2 | Engineering Evaluation and Integration          | CAM Project Closeout   | Manage remaining development of the CAM Element (for integration with Node 3) and associated remaining open paper closure  |
| .1.2.2 | Engineering Evaluation and Integration          | CR Review  | Review and evaluate CR's and prepare input to OB response to determine whether the CR should be approved and implemented as proposed.  |
| .1.2.2 | Engineering Evaluation and Integration          | Systems Integration for CHeCS CMS  | Review Program-level CRs to identify impacts to areas of responsibility (eg, CHeCS CMS, INC 16, Flight 17A).   |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | Test and Verification of Commercial Orbital Transportation Services (COTS) Visiting Vehicle Integration to ISS | Joint analysis and test schedule integration. Data Exchange Requirements and Integration and Verification Plan drafting support.   |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | OMRS Process   | Develop and maintain OMRS RCN's for JSC and support other center RCN's. Formal approval is done once concurrence has been received for the community and formal approval given after presenting to the T&VCP.  |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | Risk Management  | Assist OB Risk Management Manager and provide support for IRMA input and update, PRAB and other support activities as required.  |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | Russian Segment (RS) Integration & Verification  | Verify specs and ICD (SSP 41163, SSP 50227, etc.) requirements applicable to the RS. Review and approve VCMs for Russian modules and vehicles. Develop Test & Verification plans and Section 4 requirements for new Russian modules, i.e., MLM, DCM, and/or RS reconfiguration, for example, DC1 relocation. To be a book manager for NASA-RSA Phase 2-3 Bilateral Integration and Verification Plan, SSP 50101, i.e., issue NDCs and revise the book as needed. |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | Element Integration for Node 3   | Maintain matrix showing requirements for Node 3 which need to be developed. Develop and maintain OMRS for Node 3. Organize meetings with system representatives to finalize OMRS. Coordinate tests dates and need dates for OMRS with KSC. Present the status of Node 3 OMRS and Node 3 TAS as result of Node 3 Descope activities to SIT and MVCB.  |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | RCN Development and Maintenance for Node 2   | Enter data in OMRSD for all Node 2 RCNs. Lead the coordination of parties that need to review and concur with the requirements. Make sure the requirements are done in accordance with OMRSD   |

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| .1.2.3 | Integrated Test and Verification (IT&V) Support | T&V development and sustaining for COTS vehicles            | Work with NASA subsystem and COTS personnel from SpaceX and RPK to develop test and verification program for COTS vehicles and to provide oversight and internal coordination of COTS developed verification products with NASA personnel in the execution of the COTS test and verification program.  |
| .1.2.3 | Integrated Test and Verification (IT&V) Support | T&V development and sustaining for the Orion vehicle        | Work with NASA subsystem and Orion project personnel to develop test and verification program for the Orion vehicle interfaces to the ISS and to provide oversight and internal coordination of the Orion project developed verification products with NASA personnel in the execution of the Orion vehicle test and verification program.   |
| .1.2.4 | Cable and Fluid Assessment                      | Cable & Fluid Interface Assessment and Digital Pre assembly | Work out all the issues associated with the DVOs for Cable & Fluid Interface Assessment, i.e., Perform As-Designed & Physical Audits for and Demonstrate Mating of Electrical/Avionics & Fluid Interfaces, and also Demonstrate On-Orbit Constraints Allow Mating of IVA & EVA Interfaces. Participate in testing. Review and approve Reports and VCNs prepared by Boeing that is contractually obligated to this assessment.<br>Work out all the issues associated with the Digital Pre-Assembly, i.e., review plans, procedures, reports, BIVP test sheets, etc. |
| .1.2.5 | Project Management Support                      | ISS Visiting Integration & Integrated Carriers Group        | Compile WAR inputs for the ISS Visiting Integration & Integrated Carriers Group and submit to the quarterly WAR integrator   |
| .1.2.5 | Project Management Support                      | Non-Prime Earned Value                                      | Collect, report, and submit the Earned Value metrics for OB's non-prime contract work. Each month, provide feedback to the points of contact. They, in turn, provide the earned value for their area and that is updated to the earned value metric (file). The results are briefed to Sharon Conover and/or Dan.  |
| .1.2.5 | Project Management Support                      | OB STaR   | Coordinating OB's portion of STaR. This involves crossover tasks with the liens and threats list, IMPR, and the newly established STaR VCB.  |
| .1.2.5 | Project Management Support                      | Capability Upgrades schedule                                | Take inputs from and update the Primavera schedule for Capability Upgrades.  |
| .1.2.5 | Project Management Support                      | OB PMP  | Propose methods for tracking the on-going work within OB6. This task involves working with the leads within OB6 and collecting their inputs. Further research is being done on the use of groupware.   |
| .1.2.5 | Project Management Support                      | OB6 Action Tracking   | Sharon wants a way to track the on-going work within OB6. This task involves working with the leads within OB6 and collecting their inputs for   |
| .1.2.5 | Project Management Support                      | OB IMPR   | Establish a schedule for updating OB's IMPR data - monthly. Once done, update the binder Dan references during the IMPR. Run the preview briefing to Dan / Linda.  |

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| 1.2.5 | Project Management Support | OB liens & threats                           | Establish, collect, and update the OB liens and threats list (an Excel spreadsheet). Coordinate the elements with other risk holders that provide inputs to IRMA (used at the PRAB). Brief Dan / Linda bi-weekly on the liens and threats list status. |
| 1.2.5 | Project Management Support | OB6 WAR consolidator                         | Compile OB6 WARs, generate two task/accomplishment list, submit 1. to L. Uljon. 1. to S.Conover with a cc: to B.Lasater  |
| 1.2.5 | Project Management Support | OB3 System Integrator new project initiation | Generate/track Change request for new project. Respond/track evaluations. Prepare schedule and cost impacts. Present to program boards.  |
| 1.2.5 | Project Management Support | OB3 System Integrator Sustaining Engineering | Generate/track Change Request for design changes to existing projects. Provide schedule/Budget tracking. Provide Review support from program to project and Board support from project to program.   |
| 1.2.5 | Project Management Support | OB3 System Integrator System/Program support | Support IRMA tracking and updates. Prioritize Program tasks to system. Provide hardware expertise to Program/Project. Support Working Group/SPRT meetings  |
| 1.2.5 | Project Management Support | OB4 Project Integrator, New Projects         | Generate/track Change request for new project. Respond/track evaluations. Prepare schedule and cost impacts. Present to program boards.  |
| 1.2.5 | Project Management Support | OB4 Project Integrator, Project Support      | Generate/track Change Request for requirement changes to existing projects. Provide schedule/Budget/technical risk tracking. Provide Review support from program to project and Board support from project to program.                                 |
| 1.2.5 | Project Management Support | OB4 Project Integrator, Special Studies      | Provide technical support for special studies including architecture changes for ISS.  |
| 1.2.5 | Project Management Support | Nodes Project Representative                 | Attend Nodes related meetings as the Project Representative. Discuss the information directly related to Nodes with Nodes Project Manager.   |
| 1.2.5 | Project Management Support | Node 2 COFR                                  | Assist with Open Paper for Node 2.   |
| 1.2.5 | Project Management Support | Regen ECLSS Support                          | Provide support to OB4 when requested to manifest Regen ECLSS hardware and coordinate hardware shipments to appropriate locations for bench review and support bench review activities.  |
| 1.2.5 | Project Management Support | Miscellaneous Tasks                          | These include working export control documents: 1724s, 290s, 1735s for WHC project (now completed). Obtain data from hardware providers; complete forms, route for signature.  |
| 1.2.5 | Project Management Support | ATCS SI Backup                               | Provide backup support to the ATCS System Integrator (SI); OB3 QDIRT rep; notify appropriate SI of issues that may impact upcoming flights (cost, schedule, etc); attend weekly ATCS tag up meetings.  |
| 1.2.5 | Project Management Support | Expedition 17 Increment                      | Serve as OB delegate to the INC 17 Team; Maintain cognizance of all issues affecting OB owned systems and coordinate solutions with the appropriate team as required; attend IMT and INC 17 Team status meetings as scheduled                          |



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| .1.2.5 | Project Management Support            | MPLM Support  | Serve as OB3 delegate to the MPLM teams at MSFC and KSC; maintain cognizance of MPLM issues, status of PR's being processed and proposed hardware modifications.  |
| .1.2.5 | Project Management Support            | Fire Port Labels  | Coordinate processing of label request for manufacture and installation in U.S. pressurized elements; assist IP element managers as needed in getting their requests processed in accordance with standard format and nomenclature.   |
| .1.2.5 | Project Management Support            | FSE SUPPORT   | Support OB inputs to the design, manufacture, testing, and acceptance of new FSE hardware. Support OB FSE sustaining engineering functions after the FSE item has flown one time. Attend FSE coordination meetings to support OB positions and brief OB management of issues of concern to OB.  |
| .1.2.5 | Project Management Support            | Systems Integration for CHeCS CMS   | Monitor and track project-level milestones, schedule, and cost by participating in monthly TCSR reviews. Support fiscal year ITA & Work Package definition. Document and manage system-level Risks, Liens, and Threats. Maintain knowledge of system/project status, issues and resolution efforts via participation in weekly SPRT meetings. Support requirements definition for new hardware development projects and maintain current CHeCS Spec requirements. Support definition, development and implementation of the CMS Strategic and Implementation Plans. |
| .1.2.5 | Project Management Support            | Systems Integration for CHeCS CMS   | Communicate system/project conflicts and priorities up to the Program and Program priorities down to the system/project.  |
| .1.2.5 | Project Management Support            | Processes and Procedures Development  | Support definition, documentation and improvement of OB/OB3 processes and procedures. Support definition, documentation and improvement of CHeCS-related processes and procedures. OB3 Liason to OB6 for process support.   |
| .1.2.7 | Book Coordination Support             | Management of Crew Health Care System (CHeCS) Specification, and T2 Specification | Manage existing requirements and work change requests that impact those requirements. Work with system integrators and their teams to draft requirements for new hardware.  |
| .1.2.7 | Book Coordination Support             | Book Management   | Coordinate and update input from OB for the OB SPIP (Space Station Implementation Plan). Make sure that updates are made in accordance with DQA, correct signatures are obtained and submit the book to EDMS.   |
| .1     | Vehicle Management and Administration | Material/VAI  | <p>1. Scope/Description: Under contract SOW 1.3.1 ISSP Engineering and Technical Services, the subcontractor shall assist in performing the following tasks:</p> <p>a. Perform strategic assessments of ISS Vehicle performance and functionality given varying input assumptions, i.e. Assembly Sequence, number of Shuttle flights, pre-positioning achieved, post-Shuttle flight rate, etc.</p>  |

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|  |  |  | <p>b. Perform assessments to determine the sensitivity of current maintenance strategies to the potential programmatic variables.</p> <p>c. Identify vehicle/system performance risks &amp; recommended strategies to mitigate risks. Includes 1-pager concept as a tool to display and communicate the myriad of pertinent program parameters as a function of time.</p> <p>d. Perform vehicle/system performance risk versus cost assessments.</p> <p>e. Perform trade studies as required to support strategic maintenance planning.</p> <p>f. Analyze spares requirements for the Shuttle retirement and recommend the quantities of ORUs for each subsystem to support Station through 2015 and other potential end dates.</p> <p>g. Provide a rolling cost estimate for the spare procurements as an on-going input to the budget process.</p> |
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